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WPI Acc No: 1997-526113/199748
 Modified cellulose ester for protection agent in cleaning agent
  comprises solubility in aqueous solution having specified pH, especially
  for use in controlled-release pharmaceuticals and for pesticides
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Patent Family:
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WO 9738016
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                            WO 97US5645
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EP 892814
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US 5925181
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                  19990720 US 9615013
                                            A 19960408 199935
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MX 9808277
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                      C08B-003/16 Based on patent WO 9738016
Abstract (Basic): WO 9738016 A
        A modified cellulose ester of formula (I) is new:
        [(C6H702)(OR)x(OR')y(OH)3-x-y]n(I)
        R= a hydrophobic group;
        R' = a hydrophilic group excepting phthalyl or tri-mellityl; and
        x, y, n = are selected so that the modified cellulose ester
    dissolves in aqueous solutions of pH no lower than 6.5 or above.
        USE - Used for aqueous alkaline solutions (claimed) and
    compositions (claimed). Modified cellulose esters are useful as
    biodegradable coatings for the protection of active agents against
    their environment or vice versa. They are frequently used as enteric
    coatings but suffer from premature degradation in the acid pH of the
    stomach fluids.(I) may be used to coat or encapsulate medicaments,
    pesticides, insecticides and cleaning agents.
        ADVANTAGE - (I) are especially designed to dissolve only at
    predetermined neutral/alkaline pH, preventing premature release of the
    active agent and avoiding any damage or loss of activity. The exact
    dissolution properties can be tailored by varying the nature of R and
    R' and the relative proportions of them.
        Dwq.0/0
Derwent Class: All; A97; D25
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